

ABSTRACT OF THE DISCLOSURE

A multi-stack optical data storage medium (30), for recording using a focused radiation beam (40) having a wavelength •
5 and entering through an entrance face (41) of the medium (30) is described, has a first substrate (31a) having, on a side thereof, a first L_0 guide groove (38) formed therein, and a first recording stack (33) L_0 comprising a recordable type L_0 recording layer (35). The L_0 recording layer (35) has a thickness d_{L0G} in the groove (38)
10 and a thickness d_{L0L} adjacent the groove (38). A second substrate (31b) has, on a side thereof, a second L_1 guide groove (37) formed therein, and a second recording stack (32) L_1 comprising a recordable type L_1 recording layer (34). The L_1 recording layer has a thickness d_{L1G} in the groove and a thickness d_{L1L} adjacent the
15 groove. The second recording stack (32) is present at a position closer to the entrance face (41) than the L_0 recording stack (33). The depth of the first L_0 guide groove (38) is smaller than 0.15 • and d_{L0L} is substantially equal to or larger than d_{L1G} by which it is achieved that the L_0 stack (33) has a reflection level and a
20 modulation level of recorded marks compatible with the dual layer DVD-ROM specification.